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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets necessary)				COMPLETE IF KNOWN		
				Application Number	Not Yet Assigned	
				Filing Date	Not Yet Assigned	
				First Named Inventor	Freitag	
				Group Art Unit	Not Yet Assigned	
				Examiner Name	Not Yet Assigned	
SHEET	1	OF	1	Docket Number	HSJ9-2003-0070US1	

U.S. PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Class/ Subclass	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (If known)				
AC		5,583,725		Coffey et al.	12-10-1996	—	
		6,191,926	B1	Everitt et al.	02-20-2001	—	
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Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Codes ⁵ (If known)				

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS								
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published						T ⁶
AC		T. DIMOPOULOS et al., Enhanced robustness and tunnel magnetoresistance in artificial ferrimagnet based tunnel junctions, Journal of Applied Physics, 1 May 2000, 4685-4687, 87-9						
AC		M. Hehn, Properties of transport of magnetic junctions tunnel containing antiferromagnetic artificial structures - Effect of the structure in fields on the form and the amplitude of the magneto resistance, www.lpm.u-nancy.fr						
AC		M. SAITO et al., PdMn spin valve with synthetic ferrimagnet free and pinned layers, Journal of Applied Physics, 1 May 2000, 6974-6976, 87-9						

Examiner Signature	<i>McMenamin</i>	Date Considered	4/12/05
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered.
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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two letter-code (WIPO Standard ST.3).

⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.